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CERTIFICATE OF MAILING
37 C.F.R. § 1.8

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December 22, 2004

Date

Shelley P.M. Fussey

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Villard *et al.*

Serial No.: 10/500,577

Filed: June 25, 2004

For: Methods and Compositions to Reduce
Scattering of Light During Therapeutic and
Diagnostic Imaging Procedures

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: 4003.003100

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record in the present case. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

As the filing date of the present application is after June 30, 2003, copies of U.S. patents are no longer required by 37 C.F.R. § 1.98(a)(2) and copies of the listed U.S. patents are not included herewith.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits and hence is timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are due in connection with the filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Assistant Commissioner is hereby authorized to deduct said fees from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/4003.003100.

Respectfully submitted,

Williams, Morgan & Amerson, P.C.
Customer No. 23720



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Form PTO-1449 (modified)		Atty. Docket No. 4003.003100	Serial No. 10/500,577
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Villard et al.	
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U.S. Patent Documents <i>See Page 1-3</i>	Foreign Patent Documents <i>See Page</i>	Other Art <i>See Page 3-5</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	6,252,666	June 26, 2001	Mandella <i>et al.</i>	356	479	
	A2	6,233,055	May 15, 2001	Mandella <i>et al.</i>	356	479	
	A3	6,231,546	May 15, 2001	Milo <i>et al.</i>	604	164.13	
	A4	6,221,049	April 24, 2001	Selmon <i>et al.</i>	604	164.13	
	A5	6,219,575	April 17, 2001	Nemati	604	20	
	A6	6,217,527	April 17, 2001	Selmon <i>et al.</i>	600	585	
	A7	6,208,415	March 27, 2001	De Boer <i>et al.</i>	356	351	
	A8	6,201,608	March 13, 2001	Mandella <i>et al.</i>	356	491	
	A9	6,191,862	February 20, 2001	Swanson <i>et al.</i>	356	450	
	A10	6,160,826	December 12, 2000	Swanson <i>et al.</i>	372	20	
	A11	6,159,445	December 12, 2000	Klaveness <i>et al.</i>	424	9.6	
	A12	6,134,003	October 17, 2000	Tearney <i>et al.</i>	356	345	
	A13	6,120,516	September 19, 2000	Selmon <i>et al.</i>	606	159	
	A14	6,111,645	August 29, 2000	Tearney <i>et al.</i>	356	354	
	A15	6,053,613	April 25, 2000	Wei <i>et al.</i>	351	205	
	A16	6,047,218	April 4, 2000	Whayne <i>et al.</i>	607	122	
	A17	6,037,579	March 14, 2000	Chan <i>et al.</i>	250	216	
	A18	6,010,449	January 4, 2000	Selmon <i>et al.</i>	600	117	
	A19	6,006,128	December 21, 1999	Izatt <i>et al.</i>	600	476	
	A20	6,004,314	December 21, 1999	Wei <i>et al.</i>	606	12	
	A21	6,002,480	December 14, 1999	Izatt <i>et al.</i>	356	345	
	A22	5,994,690	November 30, 1999	Kulkarni <i>et al.</i>	250	216	
	A23	5,994,509	November 30, 1999	Barnikol	530	385	

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A24	5,991,697	November 23, 1999	Nelson <i>et al.</i>	702	49	
	A25	5,985,332	November 16, 1999	Barnikol <i>et al.</i>	424	529	
	A26	5,975,699	November 2, 1999	Hellmuth	351	211	
	A27	5,968,064	October 19, 1999	Selmon <i>et al.</i>	606	189	
	A28	5,956,355	September 21, 1999	Swanson <i>et al.</i>	372	20	
	A29	5,955,581	September 21, 1999	Rausch <i>et al.</i>	530	385	
	A30	5,929,031	July 27, 1999	Kerwin <i>et al.</i>	514	12	
	A31	5,908,445	June 1, 1999	Whayne <i>et al.</i>	607	122	
	A32	5,905,141	May 18, 1999	Rausch <i>et al.</i>	530	385	
	A33	5,904,651	May 18, 1999	Swanson <i>et al.</i>	600	407	
	A34	5,848,969	December 15, 1998	Panescu <i>et al.</i>	600	462	
	A35	5,830,133	November 03, 1998	Osten <i>et al.</i>	600	322	
	A36	5,795,295	August 18, 1998	Hellmuth <i>et al.</i>	600	407	
	A37	5,785,950	July 28, 1998	Kaufman <i>et al.</i>	424	1.89	
	A38	5,753,616	May 19, 1998	Rausch <i>et al.</i>	514	6	
	A39	5,752,518	May 19, 1998	McGee <i>et al.</i>	128	662.06	
	A40	5,691,452	November 25, 1997	Gawryl <i>et al.</i>	530	385	
	A41	5,644,642	July 1, 1997	Kirschbaum	382	103	
	A42	5,618,919	April 08, 1997	Rausch <i>et al.</i>	530	385	
	A43	5,589,189	December 31, 1996	Moynihan	424	450	
	A44	5,567,765	October 22, 1996	Moore <i>et al.</i>	524	801	
	A45	5,549,114	August 27, 1996	Petersen <i>et al.</i>	128	691	
	A46	5,537,162	July 17, 1996	Hellmuth <i>et al.</i>	351	206	

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	A47	5,506,634	April 9, 1996	Wei <i>et al.</i>	351	221	
	A48	5,502,094	March 26, 1996	Moore <i>et al.</i>	524	145	
	A49	5,501,226	March 26, 1996	Petersen <i>et al.</i>	128	691	
	A50	5,493,109	February 20, 1996	Wei <i>et al.</i>	250	201.3	
	A51	5,491,524	February 13, 1996	Hellmuth <i>et al.</i>	351	212	
	A52	5,476,974	December 19, 1995	Moore <i>et al.</i>	568	677	
	A53	5,469,261	November 21, 1995	Hellmuth <i>et al.</i>	356	361	
	A54	5,465,147	November 07, 1995	Swanson	356	345	
	A55	5,459,570	October 17, 1995	Swanson <i>et al.</i>	356	345	
	A56	5,403,575	April 04, 1995	Kaufman <i>et al.</i>	424	1.89	
	A57	5,321,501	June 14, 1994	Swanson <i>et al.</i>	356	345	
	A58	5,296,465	March 22, 1994	Rausch <i>et al.</i>	514	6	
	A59	5,084,558	January 28, 1992	Rausch <i>et al.</i>	530	385	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Brezinski <i>et al.</i> , "Imaging of Coronary Artery Microstructure (<i>In Vitro</i>) with Optical Coherence Tomography," <i>Am. J. Cardiology</i> , 77:92-93, 1996.
	C2	Brezinski <i>et al.</i> , "Index Matching to Improve Optical Coherence Tomography Imaging Through Blood," <i>Circulation</i> , 103:1999-2003, 2001.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C3	Cassis and Lodder, "Near-IR Imaging of Atheromas in Living Arterial Tissue," <i>Anal. Chem.</i> , 65:1247-1256, 1993.
	C4	Chen <i>et al.</i> , "Noninvasive Imaging of <i>In Vivo</i> , Blood Flow Velocity Using Optical Doppler Tomography," <i>Optics Letters</i> , 22(14):1119-1121, 1997.
	C5	Feldman <i>et al.</i> , "Use of a Blood Substitute to determine Instantaneous Murine Right Ventricular Thickening with Optical Coherence Tomography," <i>J. Am. College Cardiology</i> , 39(5 Supp. A):397A, Abstract #894-5, 2002.
	C6	Fishman <i>et al.</i> , "In Vivo Measurements of Vascular Oxygen Tension in Tumors Using MRI of a Fluorinated Blood Substitute," <i>Investigative Radiology</i> , 24(1):65-71, 1989.
	C7	Geyer, "'Bloodless Rats' Through the Use of Artificial Blood Substitutes," <i>Federation Proc.</i> , 34:1499-1505, 1975.
	C8	Hodakowski <i>et al.</i> , "Ultra-Pure Polymerized Bovine Hemoglobin Blood Substitute: Effects on the Coronary Circulation," <i>Biomat. Art. Cells Immob. Biotech.</i> , 20(2-4):669-672, 1992.
	C9	Joseph <i>et al.</i> , "Magnetic Resonance Imaging of Fluorine in Rats Infused with Artificial Blood," <i>Investigative Radiology</i> , 20(5):504-509, 1985.
	C10	Kim <i>et al.</i> , "Murine Myocardium OCT Imaging with a Blood Substitute," <i>Proc. SPIE</i> , 4619:165-170, 2002.
	C11	Lee <i>et al.</i> , "Limitations or the Efficacy of Hemoglobin-Based Oxygen-Carrying Solutions," <i>J. Appl. Physiol.</i> , 79(1):236-242, 1995.
	C12	Lok, "Blood Product From Cattle Wins Approval for Use in Humans," <i>Nature</i> , 410:855, 2001.
	C13	Moreira <i>et al.</i> , "Effect of Hemopurer® on the Performance of Ektachem and Hitachi Clinical Analyzers," <i>Clin. Chem.</i> , 43(9):1790-1791, 1997.
	C14	Moreno <i>et al.</i> , "Detection of Lipid Pool, Thin Fibrous Cap, and Inflammatory Cells in Human Aortic Atherosclerotic Plaques by Near-Infrared Spectroscopy," <i>Circulation</i> , 105:923-927, 2002.
	C15	Oxyglobin® Product Information.
	C16	Patwari <i>et al.</i> , "Assessment of Coronary Plaque With Optical Coherence Tomography and High-Frequency Ultrasound," <i>Am. J. Cardiology</i> , 85:641-644, 2000.

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	C17	Roggan <i>et al.</i> , "Optical Properties of Circulating Human Blood in the Wavelength Range 400-2500 NM," <i>J. Biomed. Optics</i> , 4(1):36-46, 1999.
	C18	Saito <i>et al.</i> , "Myocardial Contrast Echocardiography Using Artificial Blood (Fluosol-DA): A Comparison with Left Ventricular Wall Motion in the Experimental Ischemic Heart," <i>J. Cardiology</i> , 14(4):677-688, 1984.
	C19	Slanetz <i>et al.</i> , "Hemoglobin Blood Substitutes in Extended Preoperative Autologous Blood Donation: An Experimental Study," <i>Surgery</i> , 115:246-254, 1994.
	C20	Spahn and Pasch, "Physiological Properties of Blood Substitutes," <i>News Physiol. Sci.</i> , 16:38-41, 2001.
	C21	Stowell <i>et al.</i> , "Progress in the Development of RBC Substitutes," <i>Transfusion</i> , 41:287-299, 2001.
	C22	Villard <i>et al.</i> , "Use of a Blood Substitute to Determine Instantaneous Murine Right Ventricular Thickening with Optical Coherence Tomography," <i>Circulation</i> , 105:1843-1849, 2002.
	C23	Villard Masters Thesis, "Use of a Blood Substitute to Determine Instantaneous Murine Ventricular Thickening with Optical Coherence Tomography," <i>The University of Texas at Austin</i> , submitted August, 2001; approved; and released between January, 2002 and July 09, 2002
	C24	Vlahakes <i>et al.</i> , "Hemodynamic Effects and Oxygen Transport Properties of a New Blood Substitute in a Model of Massive Blood Replacement," <i>J. Thorac. Cardiovasc. Surg.</i> , 100:379-388, 1990.
	C25	International Search Report for PCT Application No. PCT/US03/01135, mailed May 16, 2003. (4003.003110)

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